

Oscar Galao

List of Publications by Year in descending order

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24
papers

1,321
citations

516561

16
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

990
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain and damage sensing properties on multifunctional cement composites with CNF admixture. Cement and Concrete Composites, 2014, 46, 90-98.	4.6	210
2	Effect of aspect ratio on strain sensing capacity of carbon fiber reinforced cement composites. Materials & Design, 2013, 51, 1085-1094.	5.1	141
3	Multifunctional Cement Composites Strain and Damage Sensors Applied on Reinforced Concrete (RC) Structural Elements. Materials, 2013, 6, 841-855.	1.3	139
4	Self-heating and deicing conductive cement. Experimental study and modeling. Construction and Building Materials, 2015, 75, 442-449.	3.2	138
5	Mechanical Properties and Durability of CNT Cement Composites. Materials, 2014, 7, 1640-1651.	1.3	103
6	Highly Conductive Carbon Fiber Reinforced Concrete for Icing Prevention and Curing. Materials, 2016, 9, 281.	1.3	78
7	Mechanical properties of alkali activated blast furnace slag pastes reinforced with carbon fibers. Construction and Building Materials, 2016, 116, 63-71.	3.2	68
8	Effect of steel and carbon fiber additions on the dynamic properties of concrete containing silica fume. Materials & Design, 2012, 34, 332-339.	5.1	66
9	Self-Sensing Properties of Alkali Activated Blast Furnace Slag (BFS) Composites Reinforced with Carbon Fibers. Materials, 2013, 6, 4776-4786.	1.3	61
10	Mechanical properties and corrosion of CAC mortars with carbon fibers. Construction and Building Materials, 2012, 34, 91-96.	3.2	54
11	Blending of industrial waste from different sources as partial substitution of Portland cement in pastes and mortars. Construction and Building Materials, 2014, 66, 645-653.	3.2	45
12	Influence of recycled slag aggregates on the conductivity and strain sensing capacity of carbon fiber reinforced cement mortars. Construction and Building Materials, 2018, 184, 311-319.	3.2	40
13	Carbon Nanofiber Cement Sensors to Detect Strain and Damage of Concrete Specimens Under Compression. Nanomaterials, 2017, 7, 413.	1.9	32
14	Efecto de la adici3n de nanofibras de carbono en las propiedades mec3nicas y de durabilidad de materiales cementantes. Materiales De Construccion, 2012, 62, 343-357.	0.2	32
15	Heating and de-icing function in conductive concrete and cement paste with the hybrid addition of carbon nanotubes and graphite products. Smart Materials and Structures, 2021, 30, 045010.	1.8	27
16	Temperature and humidity influence on the strain sensing performance of hybrid carbon nanotubes and graphite cement composites. Construction and Building Materials, 2021, 284, 122786.	3.2	22
17	Viabilidad de utilizaci3n de una pasta de cemento con nanofibras de carbono como 3nodo en la extracci3n electroqu3mica de cloruros en hormig3n. Materiales De Construccion, 2013, 63, 39-48.	0.2	14
18	40 years old LNG stainless steel pipeline: Characterization and mechanical behaviour. Engineering Failure Analysis, 2017, 79, 876-888.	1.8	12

#	ARTICLE	IF	CITATIONS
19	The Effect of Different Oxygen Surface Functionalization of Carbon Nanotubes on the Electrical Resistivity and Strain Sensing Function of Cement Pastes. <i>Nanomaterials</i> , 2020, 10, 807.	1.9	12
20	Self-heating function of carbon nanofiber cement pastes. <i>Materiales De Construccion</i> , 2014, 64, e015.	0.2	8
21	Ice-Prevention and De-Icing Capacity of Epoxy Resin Filled with Hybrid Carbon-Nanostructured Forms: Self-Heating by Joule Effect. <i>Nanomaterials</i> , 2021, 11, 2427.	1.9	7
22	Concrete for Precast Blocks: Binary and Ternary Combination of Sewage Sludge Ash with Diverse Mineral Residue. <i>Materials</i> , 2020, 13, 4634.	1.3	3
23	Durability and Mechanical Properties of CNT Cement Composites. <i>RILEM Bookseries</i> , 2019, , 31-41.	0.2	2
24	¿Es compatible la durabilidad con la sostenibilidad en la industria de la construcción?. <i>Revista ALCONPAT</i> , 2012, 2, 57-71.	0.2	0